

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



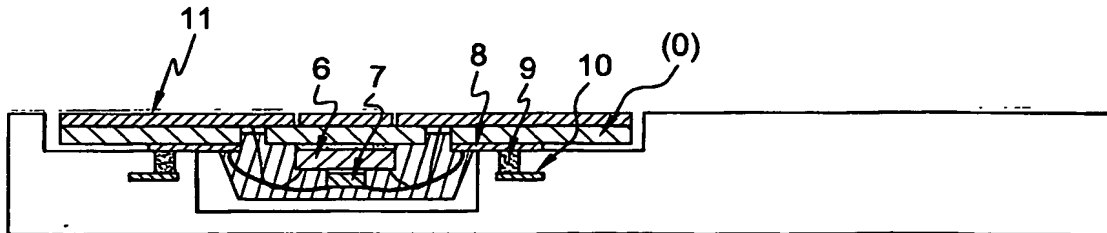
(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/027863 A3

- (51) International Patent Classification⁷: **G06K 19/077**
- (21) International Application Number:
PCT/IB2003/004011
- (22) International Filing Date:
17 September 2003 (17.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02292279.3 17 September 2002 (17.09.2002) EP
02292278.5 17 September 2002 (17.09.2002) EP
02292344.5 24 September 2002 (24.09.2002) EP
- (71) Applicant (for all designated States except US):
SCHLUMBERGER SYSTÈMES [FR/FR]; 50, avenue Jean Jaurès, F-92120 Montrouge (FR).
- (71) Applicant (for MC only): **SCHLUMBERGER MALCO INC.**, [US/US]; 9800 Reistertown Road, Owing Mills, MD 21117 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **THEVENOT, Benoît** [FR/FR]; 97 Allée Maurice Ravel, F-45160 Olivet (FR).
- (74) Common Representative: **SCHLUMBERGER SYSTÈMES**; C/O Vincent YQUEL, 50, avenue Jean Jaurès, F-92120 Montrouge (FR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
22 July 2004
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HYBRID CARD



(57) Abstract: A card like object comprises a card body (3) comprising a first face. The first face is at least partially graphically personalized. An antenna (2) is embedded in the card body (3). The card body (3) is provided with a cavity. The cavity comprises a contact chip (6). The cavity further comprises a contactless chip (7), the contactless chip (7) being electrically connected to the antenna (2) with connecting means (9).

WO 2004/027863 A3

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/04011

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06K19/077

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 676 716 A (BAUER ERIC) 11 October 1995 (1995-10-11) the whole document	1,4,7
Y	----	2,3,5,6
Y	EP 0 818 752 A (FELA HOLDING AG) 14 January 1998 (1998-01-14) column 2, line 54 -column 3, line 1; figures 3,4	2
Y	US 6 179 210 B1 (GORE KIRON P ET AL) 30 January 2001 (2001-01-30) column 2, line 63 -column 3, line 46; figure 5	3
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

28 November 2003

Date of mailing of the international search report

09/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bhalodia, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/04011

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 761 497 A (GEMPLUS CARD INT) 2 October 1998 (1998-10-02) page 5, line 18 -page 6, line 2 page 7, line 35 -page 8, line 5 claims 2,3,15 figures 5,9 -----	5
Y	US 5 965 867 A (HAGHIRI-TEHRANI YAHYA) 12 October 1999 (1999-10-12) column 2, line 57 -column 3, line 17 figures 2,10,13 -----	6
A	US 6 421 248 B1 (MENSCH HANS-GEORG ET AL) 16 July 2002 (2002-07-16) column 3, line 60 -column 4, line 28 figure 2 -----	6

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/04011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0676716	A	11-10-1995	EP 0676716 A1	11-10-1995
EP 0818752	A	14-01-1998	EP 0818752 A2	14-01-1998
US 6179210	B1	30-01-2001	NONE	
FR 2761497	A	02-10-1998	FR 2761497 A1	02-10-1998
			AU 735162 B2	05-07-2001
			AU 7050498 A	22-10-1998
			BR 9808425 A	23-05-2000
			CN 1257598 T	21-06-2000
			DE 69808605 D1	14-11-2002
			DE 69808605 T2	26-06-2003
			EP 1260938 A1	27-11-2002
			EP 0970438 A1	12-01-2000
			ES 2185161 T3	16-04-2003
			WO 9844452 A1	08-10-1998
			JP 3430339 B2	28-07-2003
			JP 2000513125 T	03-10-2000
			RU 2196356 C2	10-01-2003
			US 2003020182 A1	30-01-2003
			US 6468835 B1	22-10-2002
US 5965867	A	12-10-1999	AT 199601 T	15-03-2001
			AU 6734996 A	18-02-1997
			DE 59606555 D1	12-04-2001
			EP 0842494 A1	20-05-1998
US 6421248	B1	16-07-2002	DE 19701165 C1	09-04-1998
			AT 213079 T	15-02-2002
			BR 9714203 A	28-03-2000
			CN 1244935 A	16-02-2000
			WO 9832098 A1	23-07-1998
			DE 59706344 D1	21-03-2002
			EP 0953186 A1	03-11-1999
			ES 2172821 T3	01-10-2002
			JP 2000509864 T	02-08-2000
			JP 3428657 B2	22-07-2003
			RU 2189635 C2	20-09-2002